

WHAT IS CLAIMED IS:

1. A device for connecting an electrical load to an insulated power supply cable, comprising conducting means that can be coupled electrically to an electrical conductor of an insulated cable and form at least one contact for connection to a connector for an electrical load, said conducting means being accommodated within an outer enclosure made of electrically insulating material constituted by shells that can be fastened together, wherein it comprises safety means that are adapted to prevent said connector from being recoupled to said contact once uncoupling has been performed inside said outer enclosure.

2. The device according to claim 1, wherein said safety means comprise an arc-like spring provided with branches that can be inserted in hollows formed in one of said shells, the central portion of said arc-like spring being superimposable on said connector when said connector is connected to said contact and being arrangeable in a channel for inserting the connector, in a region located in front of said contact, when said connector is uncoupled from said contact.

3. The device according to claim 2, wherein said arc-like spring has portions that are folded at the end of its branch for detachable retention in the hollows formed in the corresponding shell.

4. The device according to claim 2, wherein said safety means comprise a partition that can move on a plane that is substantially perpendicular to the channel for the insertion of said connector.

5. The device according to claim 4, wherein said movable partition comprises a bridge that is provided with lateral feet on which pusher springs act, said bridge being slidably guided on said plane that is substantially perpendicular to the channel for the insertion of said connector and having a central portion that can be superimposed on said connector, when the connector is coupled to said contact, and can be arranged in the channel for

the insertion of said connector when the connector is uncoupled from said contact.

6. The device according to claim 5, wherein said bridge is provided with lateral feet on which pusher springs act.

5 7. The device according to claim 1, wherein said safety means have a locking pin that is interposed along an insertion path of said connector, said connector being disengageable from said contact with a labyrinth-like path that is adapted to prevent the recoupling of said container with said contact.

8. The device according to claim 1, wherein said outer enclosure is
10 constituted by two shells that can be fastened together and can be separated only by means of a specifically provided tool. ✓

9. A device for connecting an electrical load to an insulated power supply cable, comprising conducting means that can be electrically coupled to an electrical conductor of an insulated cable and form at least one contact
15 for connection to a connector for an electrical load, said conducting means being accommodated within an outer enclosure made of electrically insulating material constituted by shells that can be fastened one another, further comprising safety means that are adapted to prevent said connector from being recoupled to said contact once said connector has been extracted
20 from said outer enclosure.

10. The device according to claim 9, wherein said safety means comprise an arc-like spring provided with branches that can be inserted in hollows formed in one of said shells, the central portion of said arc-like spring being superimposable on said connector when said connector is connected to said
25 contact and being arrangeable in a channel for inserting the connector, in a region located in front of said contact, when said connector is uncoupled from said contact.

11. The device according to claim 10, wherein said arc-like spring has portions that are folded at the end of its branch for detachable retention in
30 the hollows formed in the corresponding shell.

12. The device according to claim 10, wherein said safety means comprise a partition that can move on a plane that is substantially perpendicular to the channel for the insertion of said connector.

13. The device according to claim 12, wherein said movable partition
5 comprises a bridge that is provided with lateral feet on which pusher springs act, said bridge being slidingly guided on said plane that is substantially perpendicular to the channel for the insertion of said connector and having a central portion that can be superimposed on said connector, when the connector is coupled to said contact, and can be arranged in the channel for
10 the insertion of said connector when the connector is uncoupled from said contact.

14. The device according to claim 13, wherein said bridge is provided with lateral feet on which pusher springs act.

15. The device according to claim 9, wherein said safety means have a locking pin that is interposed along an insertion path of said connector, said connector being disengageable from said contact with a labyrinth-like path that is adapted to prevent the recoupling of said container with said contact.

16. The device according to claim 9, wherein said outer enclosure is constituted by two shells that can be fastened together and can be separated
20 only by means of a specifically provided tool.